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TITLE: LOW NOISE PNEUMATIC TYRE

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APPL-NO: JP54099692

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## ABSTRACT:

PURPOSE: To achieve noise reduction of a pneumatic tyre with a lug type tread pattern without lowering wear resistance and driving and braking performances, by giving consideration to the number and shape of lug grooves in the tyre.

CONSTITUTION: In a pneumatic tyre having the (TR/D) value in the range of  $0.23 \sim 0.35$  wherein TR means the radius of curvature TR at the tread surface section in a cross section containing the axis of the tyre and D stands for the diameter of said tyre, the number N of lug grooves 4 distributed on the shoulder section 2 at one side in the circumferential direction of the tyre is made larger than a value obtained by multiplying the tyre outer diameter D with 0.044 but smaller than that multiplied with 0.048. Further, the angle  $\theta$ ; in which the groove center line R running from the side of the tread center 3 of a lug groove 4 on one side at least to the shoulder section 2 inclines with respect to the line parallel to the tyre axis at the tyre circumference is made  $0^\circ \sim 10^\circ$ , and the inclination is toward the rear with respect to the direction of the vehicle advance.

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